

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 58109135
PUBLICATION DATE : 29-06-83

APPLICATION DATE : 21-12-81
APPLICATION NUMBER : 56205136

APPLICANT : SUMITOMO BAKELITE CO LTD;

INVENTOR : NOGUCHI YASUO;

INT.CL. : B01J 20/32 // A61M 1/03

TITLE : COATING METHOD FOR GRANULAR ACTIVATED CARBON

ABSTRACT : PURPOSE: To provide a good antithrombus property and carbon dust preventive power by coating specific silicon resins, polyurethane resins, fluororesins, micro domain type copolymer resins, etc. on granular activated carbon.

CONSTITUTION: Resins of ≥ 1 kind selected among silicone resins consisting essentially of dimethyl siloxane structure, polyurethane or polyurethane urea resins, fluororesins or partially chlorinated fluororesins, and hydrophobic copolymer resins having micro domain structure are coated on granular activated carbon used for adsorbents for purification of fluid of living bodies. The coating layers are hydrophobic and have the characteristics that they are hardly vulnerable to damage against collision or friction among the activated carbon particles or against the walls of columns, etc. Since the layers are inert highly to blood cell components, the layers have a high anticoagulating property, and maintain the high adsorption power intrinsic to activated carbon during about 3-5hr of medical treatment time.

COPYRIGHT: (C)1983,JPO&Japio